



## SEQUENCE LISTING

<110> Burns, Jennifer M.  
Summers, Bretton  
Howard, Maureen C.  
Schall, Thomas J.  
ChemoCentryx, Inc.

<120> Compositions and Methods for Detecting and Treating  
Diseases and Conditions Related to Chemokine Receptors

<130> 019934-003360US

<140> US 10/698,541

<141> 2003-10-30

<150> US 60/337,961

<151> 2001-11-30

<150> US 60/338,100

<151> 2001-11-30

<150> US 10/245,850

<151> 2002-09-16

<150> US 60/434,912

<151> 2002-12-20

<150> US 10/452,015

<151> 2003-05-30

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<170> PatentIn Ver. 2.1

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<212> DNA

<213> Homo sapiens

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<223> G-protein coupled receptor (GPCR) CCX-CKR2 (RDC1)  
coding sequence

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 35 40 45  
 Phe Ile Tyr Ile Phe Ile Phe Val Ile Gly Met Ile Ala Asn Ser Val  
 50 55 60  
 Val Val Trp Val Asn Ile Gln Ala Lys Thr Thr Gly Tyr Asp Thr His  
 65 70 75 80  
 Cys Tyr Ile Leu Asn Leu Ala Ile Ala Asp Leu Trp Val Val Leu Thr  
 85 90 95  
 Ile Pro Val Trp Val Val Ser Leu Val Gln His Asn Gln Trp Pro Met  
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 Gly Glu Leu Thr Cys Lys Val Thr His Leu Ile Phe Ser Ile Asn Leu  
 115 120 125  
 Phe Gly Ser Ile Phe Phe Leu Thr Cys Met Ser Val Asp Arg Tyr Leu  
 130 135 140  
 Ser Ile Thr Tyr Phe Thr Asn Thr Pro Ser Ser Arg Lys Lys Met Val  
 145 150 155 160  
 Arg Arg Val Val Cys Ile Leu Val Trp Leu Leu Ala Phe Cys Val Ser  
 165 170 175  
 Leu Pro Asp Thr Tyr Tyr Leu Lys Thr Val Thr Ser Ala Ser Asn Asn  
 180 185 190  
 Glu Thr Tyr Cys Arg Ser Phe Tyr Pro Glu His Ser Ile Lys Glu Trp  
 195 200 205  
 Leu Ile Gly Met Glu Leu Val Ser Val Val Leu Gly Phe Ala Val Pro  
 210 215 220  
 Phe Ser Ile Ile Ala Val Phe Tyr Phe Leu Leu Ala Arg Ala Ile Ser  
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 Ala Ser Ser Asp Gln Glu Lys His Ser Ser Arg Lys Ile Ile Phe Ser  
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Tyr Val Val Val Phe Leu Val Cys Trp Leu Pro Tyr His Val Ala Val  
 260 265 270  
 Leu Leu Asp Ile Phe Ser Ile Leu His Tyr Ile Pro Phe Thr Cys Arg  
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 Leu Glu His Ala Leu Phe Thr Ala Leu His Val Thr Gln Cys Leu Ser  
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 Leu Val His Cys Cys Val Asn Pro Val Leu Tyr Ser Phe Ile Asn Arg  
 305 310 315 320  
 Asn Tyr Arg Tyr Glu Leu Met Lys Ala Phe Ile Phe Lys Tyr Ser Ala  
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 cccgagcaca gcatcaagga gtggctgacg ggcattggagc tgggtctccg tgtcttgggc 660  
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 gcgtccagtg accaggagaa gcacagcagc cggaagatca tcttctccta cgtggtggtc 780  
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 <212> PRT  
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<220>  
 <223> G-protein coupled receptor (GPCR) CCX-CKR2.2

<400> 4

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			20					25					30		
Met	Cys	Pro	Asn	Met	Pro	Asn	Lys	Ser	Val	Leu	Leu	Tyr	Thr	Leu	Ser
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Phe	Ile	Tyr	Ile	Phe	Ile	Phe	Val	Ile	Gly	Met	Ile	Ala	Asn	Ser	Val
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Val	Val	Trp	Val	Asn	Ile	Gln	Ala	Lys	Thr	Thr	Gly	Tyr	Asp	Thr	His
65					70					75					80
Cys	Tyr	Ile	Leu	Asn	Leu	Ala	Ile	Ala	Asp	Leu	Trp	Val	Val	Leu	Thr
				85					90					95	
Ile	Pro	Val	Trp	Val	Val	Ser	Leu	Val	Gln	His	Asn	Gln	Trp	Pro	Met
		100						105					110		
Gly	Glu	Leu	Thr	Cys	Lys	Val	Thr	His	Leu	Ile	Phe	Ser	Ile	Asn	Leu
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Phe	Ser	Gly	Ile	Phe	Phe	Leu	Thr	Cys	Met	Ser	Val	Asp	Arg	Tyr	Leu
	130					135					140				
Ser	Ile	Thr	Tyr	Phe	Thr	Asn	Thr	Pro	Ser	Ser	Arg	Lys	Lys	Met	Val
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Arg	Arg	Val	Val	Cys	Ile	Leu	Val	Trp	Leu	Leu	Ala	Phe	Cys	Val	Ser
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Leu	Pro	Asp	Thr	Tyr	Tyr	Leu	Lys	Thr	Val	Thr	Ser	Ala	Ser	Asn	Asn
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Glu	Thr	Tyr	Cys	Arg	Ser	Phe	Tyr	Pro	Glu	His	Ser	Ile	Lys	Glu	Trp
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Ala	Ser	Ser	Asp	Gln	Glu	Lys	His	Ser	Ser	Arg	Lys	Ile	Ile	Phe	Ser
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Tyr	Val	Val	Val	Phe	Leu	Val	Cys	Trp	Leu	Pro	Tyr	His	Val	Ala	Val
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Leu	Leu	Asp	Ile	Phe	Ser	Ile	Leu	His	Tyr	Ile	Pro	Phe	Thr	Cys	Arg
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305					310					315					320

Asn Tyr Arg Tyr Glu Leu Met Lys Ala Phe Ile Phe Lys Tyr Ser Ala  
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Glu Tyr Ser Ala Leu Glu Gln Asn Ala Lys  
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<212> DNA

<213> Homo sapiens

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<223> G-protein coupled receptor (GPCR) CCX-CKR2.3  
 coding sequence

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gccaactccg tgggtggtctg ggtgaatatc caggccaaga ccacaggcta tgacacgcac 240
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gtggtcagtc tctgacgca caaccagtgg cccatgggag agctcacgtg caaagtcaca 360
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gaccgctacc tctccatcac ctacttcacc aacaccccca gcagcaggaa gaagatggta 480
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<223> G-protein coupled receptor (GPCR) CCX-CKR2.3

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 35 40 45

Phe Ile Tyr Ile Phe Ile Phe Val Ile Gly Met Ile Ala Asn Ser Val  
 50 55 60

Val	Val	Trp	Val	Asn	Ile	Gln	Ala	Lys	Thr	Thr	Gly	Tyr	Asp	Thr	His	65	70	75	80
Cys	Tyr	Ile	Leu	Asn	Leu	Ala	Ile	Ala	Asp	Leu	Trp	Val	Val	Leu	Thr	85	90	95	
Ile	Pro	Val	Trp	Val	Val	Ser	Leu	Val	Gln	His	Asn	Gln	Trp	Pro	Met	100	105	110	
Gly	Glu	Leu	Thr	Cys	Lys	Val	Thr	His	Leu	Ile	Phe	Ser	Ile	Asn	Leu	115	120	125	
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Arg	Arg	Val	Val	Cys	Ile	Leu	Val	Trp	Leu	Leu	Ala	Phe	Cys	Val	Ser	165	170	175	
Leu	Pro	Asp	Thr	Tyr	Tyr	Leu	Lys	Thr	Val	Thr	Ser	Ala	Ser	Asn	Asn	180	185	190	
Glu	Thr	Tyr	Cys	Arg	Ser	Phe	Tyr	Pro	Glu	His	Ser	Ile	Lys	Glu	Trp	195	200	205	
Leu	Ile	Gly	Met	Glu	Leu	Val	Ser	Val	Val	Leu	Gly	Phe	Ala	Val	Pro	210	215	220	
Phe	Ser	Ile	Val	Ala	Val	Phe	Tyr	Phe	Leu	Leu	Ala	Arg	Ala	Ile	Ser	225	230	235	240
Ala	Ser	Ser	Asp	Gln	Glu	Lys	His	Ser	Ser	Arg	Lys	Ile	Ile	Phe	Ser	245	250	255	
Tyr	Val	Val	Val	Phe	Leu	Val	Cys	Trp	Leu	Pro	Tyr	His	Val	Ala	Val	260	265	270	
Leu	Leu	Asp	Ile	Phe	Ser	Ile	Leu	His	Tyr	Ile	Pro	Phe	Thr	Cys	Arg	275	280	285	
Leu	Glu	His	Ala	Leu	Phe	Thr	Ala	Leu	His	Val	Thr	Gln	Cys	Leu	Ser	290	295	300	
Leu	Val	His	Cys	Cys	Val	Asn	Pro	Val	Leu	Tyr	Ser	Phe	Ile	Asn	Arg	305	310	315	320
Asn	Tyr	Arg	Tyr	Glu	Leu	Met	Lys	Ala	Phe	Ile	Phe	Lys	Tyr	Ser	Ala	325	330	335	
Lys	Thr	Gly	Leu	Thr	Lys	Leu	Ile	Asp	Ala	Ser	Arg	Val	Ser	Glu	Thr	340	345	350	
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 35 40 45  
 Phe Ile Tyr Ile Phe Ile Phe Val Ile Gly Met Ile Ala Asn Ser Val  
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 65 70 75 80  
 Cys Tyr Ile Leu Asn Leu Ala Ile Ala Asp Leu Trp Val Val Leu Thr  
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Gly Glu Leu Thr Cys Lys Val Thr His Leu Ile Phe Ser Ile Asn Leu  
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 180 185 190  
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 Asn Tyr Arg Tyr Glu Leu Met Lys Ala Phe Ile Phe Lys Tyr Ser Ala  
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<212> DNA

<213> Homo sapiens

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coding sequence

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gtggtcagtc tcgtgcagca caaccagtgg cccatgggag agctcacgtg caaagtcaca 360
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<213> Homo sapiens

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Met Cys Pro Asn Met Pro Asn Lys Ser Val Leu Leu Tyr Thr Leu Ser
  35              40              45

Phe Ile Tyr Ile Phe Ile Phe Val Ile Gly Met Ile Ala Asn Ser Val
  50              55              60

Val Val Trp Val Asn Ile Gln Ala Lys Thr Thr Gly Tyr Asp Thr His
  65              70              75              80

Cys Tyr Ile Leu Asn Leu Ala Ile Ala Asp Leu Trp Val Val Leu Thr
  85              90              95

Ile Pro Val Trp Val Val Ser Leu Val Gln His Asn Gln Trp Pro Met
 100              105              110

Gly Glu Leu Thr Cys Lys Val Thr His Leu Ile Phe Ser Ile Asn Leu
 115              120              125

Phe Ser Ser Ile Phe Phe Leu Thr Cys Met Ser Val Asp Arg Tyr Leu
 130              135              140

Ser Ile Thr Tyr Phe Thr Asn Thr Pro Ser Ser Arg Lys Lys Met Val
 145              150              155              160

Arg Arg Val Val Cys Ile Leu Val Trp Leu Leu Ala Phe Cys Val Ser
 165              170              175

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Leu Pro Asp Thr Tyr Tyr Leu Lys Thr Val Thr Ser Ala Ser Asn Asn  
 180 185 190  
 Glu Thr Tyr Cys Arg Ser Phe Tyr Pro Glu His Ser Ile Lys Glu Trp  
 195 200 205  
 Leu Ile Gly Met Glu Leu Val Ser Val Val Leu Gly Phe Ala Val Pro  
 210 215 220  
 Phe Ser Ile Ile Ala Val Phe Tyr Phe Leu Leu Ala Arg Ala Ile Ser  
 225 230 235 240  
 Ala Ser Ser Asp Gln Glu Lys His Ser Ser Arg Lys Ile Ile Phe Ser  
 245 250 255  
 Tyr Val Val Val Phe Leu Val Cys Trp Leu Pro Tyr His Val Ala Val  
 260 265 270  
 Leu Leu Asp Ile Phe Ser Ile Leu His Tyr Ile Pro Phe Thr Cys Arg  
 275 280 285  
 Leu Glu His Ala Leu Phe Thr Ala Leu His Val Thr Gln Cys Leu Ser  
 290 295 300  
 Leu Val His Cys Cys Val Asn Pro Val Leu Tyr Ser Phe Ile Asn Arg  
 305 310 315 320  
 Asn Tyr Arg Tyr Glu Leu Met Lys Ala Phe Ile Phe Lys Tyr Ser Ala  
 325 330 335  
 Lys Thr Gly Leu Thr Lys Leu Ile Asp Ala Ser Arg Val Ser Glu Thr  
 340 345 350  
 Glu Tyr Ser Ala Leu Glu Gln Ser Thr Lys  
 355 360